



GLAST

Science Support Center *Status Report*

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GSSC: Milestones, Staffing



- **Presentation to GLAST FOR, Feb 2008**
 - *No major issues*
 - *Requirements closed or to be closed (or waived) by March 16 freeze date*
 - *GSSC ready to support post-launch activities*
- **Departure of 1 key SW developer**
 - *In response, will recall 0.5 FTE, employee who had transitioned to MOC*
 - *Adding 0.1 FTE planning & schedule support during LEO*
 - *Planning replacement, i.e. flat staff profile through L+1yr*



GI Program: Schedule Drivers



Date	Months-L	Milestone
07-Jun-07	-11	Proposal materials on GSSC website
07-Sep-07	-8	GI Cycle 1 proposal deadline
17-Dec-07	-5	Peer review
01-Jan-08	-4	Results of peer review
01-May-08	0	GI program funding decision
16-May-08	0	LAUNCH!!!
Jul-08	2	Release of GBM SAE Tools, GI Cycle 1 Begins , GBM + partial LAT data release
Dec-08	7	Cycle 2 proposal materials & SAE release
Jan-09	8	Release of preliminary LAT source list
Mar-09	10	GI Cycle 2 Proposal Deadline
Jul-09	14	GI Cycle 2 Begins, full LAT data release



User Support



- **Cycle-1 Program nearly implemented**
 - *Separate report*
- **Participation in HEAD special session**
 - *GSSC services*
- **Web services & help desk successfully implemented for Cycle-1 support**
 - *Typically 3-4 queries per day near deadlines*
 - *Inordinate spike associated with GLAST naming contest; lots of SPAM*
 - *Accumulated FAQ list*



Operations Support



- ***Timeline and ToO support has been extensively tested at this point***
 - *Walkthrough demo, exchange products w/MOC*
 - *Similar exercise planned for timeline preparation*
- ***4 Mission Planning Exercises completed***



GSSC Operations Support



- ***Mission Planning Exercises***

- *Proposal submission*
- *Proposal ingest*
- *Long Term Scheduling*
- *GSSC ingest of GLAST ephemeris, TDRSS ephemerides*
- *GSSC delivery of preliminary science timeline*
- *GSSC ingest of ISOC and GIOC timelines*
- *GSSC delivery of timeline package*
- *Ingest and execution of LAT calibration observations*
- *TOO evaluation and commanding*



Science Analysis Software



- ***GSSC is required to provide science analysis software (SAE)***
 - *FRD § 5.3.3.2*
- ***Software developed jointly w/LAT team***
 - *LAT team manages the SAE CC until L+5m*
 - *Code architecture shared: LAT-GSSC*
 - *FRD requirement: **single OGIP compliant configuration-managed software suite***
 - *SAE: current version v9r4p1*
 - *In use supporting LAT Service Challenge*
 - *Successfully ported to the HEASARC build system*
 - *V9r5 to be β -tested by “end-user” community*



Data Ingest Completion Milestones



- ***OPUS is installed and running***
- ***GSSC Pipelines completed***
 - *Data Ingest Pipeline*
 - *Proposal Ingest Pipeline*
 - *Level 0 Data Ingest Pipeline*
 - *Command Ingest Pipeline*
 - *LAT Data Ingest Pipeline*
 - *GBM Data Ingest Pipeline*
- ***Lingering DitL, ETE, and MPEx issues to be addressed in Release 9***



Software & Hardware Status



- **GSSC Software**
 - *Release 1 – 8 complete (01/31/08)*
 - *Release 9 (03/08/08) Launch support*
 - *Bug fixes and minor updates only*
- **GSSC Hardware**
 - *All major CPU's in-place and configured*
 - *Primary computers in Bldg. 2*
 - *Backup computer in Bldg. 14*



GSSC AI Status



- ***SOOG apparently disbanded, so AI-46 no longer relevant?***
- ***AI-53: Web form implemented***



Multi-Wavelength Observation Webform



AI 53: Establish website for observers to post GLAST-relevant observations. This information could potentially be given consideration in GLAST re-planning.

Web page established, awaiting observer inputs...

The screenshot shows a web browser window titled "GSSC: Proposals » Multiwavelength Observations » Reporting - Mozilla Firefox". The address bar shows the URL "http://glast.gsfc.nasa.gov/ssc/resources/multi/reporting/". The page header includes the NASA logo, "SPACE FLIGHT CENTER", and a search bar. The main heading is "GLAST SCIENCE SUPPORT CENTER". Below this is a navigation menu with tabs for HOME, RESOURCES, PROPOSALS, DATA, HEASARC, and HELP. The "RESOURCES" tab is active, showing a sidebar with links: "+ GSSC Home", "Resources", "Mission Status", "Observing Timeline", "Observations", "Users' Group", "Multiwavelength Observations" (highlighted), "+ Observation Reporting Form", "Newsletter", "Library", "Related Links", and "News Archive". The main content area is titled "Multiwavelength Observations Reporting" and contains the following text: "Please provide information on your observations that are relevant to GLAST. The GLAST mission will use these data in planning the GLAST timeline; for example, a requested Target-of-Opportunity observation may be modified or rejected because of an on-going multiwavelength campaign. At the end of the form you can indicate whether information about these observations is proprietary, and should be restricted to the GLAST Project Scientist and his deputies. All items are required." Below this text are several input fields: "Name:", "E-mail:", "Telephone:", "Object:", "Source Coordinates:", "Observation Start Date:" (with a format hint "(Format: YYYY-MM-DD)"), "Observation Stop Date:" (with a format hint "(Format: YYYY-MM-DD)"), and "Wavelength Band:". At the bottom, there is a "Details: (max 800 characters)" section with a large text area for input. The browser's status bar at the bottom shows the URL "http://glast.gsfc.nasa.gov/ssc/".



Database Query



GSSC: Proposals > Multiwavelength Observations > Reporting - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://glast.gsfc.nasa.gov/ssc/dev/jd/reporting/list/index.php?sort=

APOD Astro-ph NY Times ADS Query Forecast--Potomac EUD Colloquia Merriam-Webster On... Time

Mail :: Inbox HEASARC ... 7-Day For... Google Re... NSPIRES -... Capture a... GSSC: ...

GODDARD SPACE FLIGHT CENTER

+ NASA Homepage
+ GSFC Homepage
+ GLAST Homepage

SEARCH GLAST:
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HOME RESOURCES PROPOSALS DATA HEASARC HELP

+ GSSC Home

Resources

- Mission Status
- Observing Timeline
- Observations
- Users' Group
- Multiwavelength Observations**
- + Observation Reporting Form
- Newsletter
- Library
- Related Links
- News Archive

Multiwavelength Observations Report Listing

Click column heading to sort by that column.

ID	Object	Observation Dates	Wavelength Band	Proprietary
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+ Privacy Policy and Important Notices
+ Get Plugins (Acrobat, etc.)
+ Contact NASA
+ FAQ, Comments, Feedback

Curator: J.D. Myers
Responsible NASA Official: Phil Newman
NASA Science Official: Neil Gehrels
Last Modified: Fri, Jan 18, 2008

Done